

REMARKS

Applicants respectfully request reconsideration of this application in view of the foregoing amendments and the following remarks.

Claim Status

Claims 14-27 and 37-42 are pending in this application and have been rejected. By this amendment, claims 37-42 are canceled without prejudice or disclaimer; claims 14, 21 and 28 are amended; and new claims 43-45 are added. Claims 14, 21 28 and 43-45 are independent in form.

Claim Objections

The claims are herein presented in double spaced format. Applicants request the objection be withdrawn.

Rejections under 35 U.S.C. §112

Claims 14 and 28, and all claims depending therefrom, have been rejected under 35 U.S.C. §112, second paragraph, as allegedly being “incomplete for omitting essential elements, such omission amounting to a gap between the elements.” (see pages 2-3 of the Office Action). The examiner continues that:

The omitted elements are the means to perform the method steps (i.e., a computer). As currently claimed, Claims 14 and 28 could be performed using a pencil and paper or in the mind of a user, which is not how the invention is taught in the specification.

(Id.)

Claim 21 and 37-39 have been rejected for lack of antecedent basis for specified limitations. Claims 21 has been amended to addresses the rejection and claims 37-39 have been canceled. Applicants respectfully request that the rejections to claims 21 and 37-39 be withdrawn as they have been overcome or otherwise rendered moot.

As to claims 14 and 28, Applicants respectfully traverse these rejections. Applicants respectfully disagree with the stated rejections and submit that these claims recite the claimed invention with sufficient completeness.

The examiner turns to the specification to admit that the invention is NOT taught in a manner to be performed using paper and pencil or in the mind of a user, (see ¶2, pages 2-3 of the Office Action), yet he does not look to the specification and apply this reasoning when interpreting these claims. For example, claim 28 recites, *inter alia*, “A computer executable program product, comprising:” “code for setting,” and “code for changing direction” which are clearly directed to code for performing these functions on a processor, consistent with the description in the specification, yet the examiner interprets this claim to be drawn to pen and paper and processes in the mind of a user. In light of the specification, one of ordinary skill in the art would understand the scope and context of claims 14 and 28 and claims depending therefrom such that these claims sufficiently recite the elements necessary to perform the enumerated functions.

Applicants respectfully request that these claims be withdrawn.

Rejections under 35 U.S.C. §§102(b)and 103

Independent claims 14, 21, and 40-42 have been rejected under 35 USC §102(b) as being anticipated by AutoCAD 2000- 3D Modeling, a Visual Approach” by John Wilson. (“Wilson”) and claims 19, 20, 26 and 27 have been rejected under 35 USC §103 as being unpatentable over Wilson in view of “AutoCad 2000: The Complete Reference” by David Cohn. (“Cohn”) Applicants respectfully traverse these rejections as follows.

Applicant has herein canceled claims 37-42, rendering the rejections as to these claims moot. Applicants respectfully request that these rejections be withdrawn.

Applicants have herein amended pending independent claims 14, 21 and 28 to further clarify the claimed invention.

Specifically, claims 14, 21 and 28 clearly recite, *inter alia*, the feature that the virtual line is changed in response to the selection of the displayed virtual plane on the virtual 3D space. According to the present invention as claimed, the normal line of the displayed virtual plane may coincide with the virtual line, as depicted e.g., in Figs. 11A and 11B. This arrangement is not disclosed in the “AutoCAD” references and the technical result is not achieved by AutoCad.

Accordingly the present invention as recited in independent claims 14, 21 and 28 and the claims depending therefrom is believed neither anticipated by nor rendered obvious in view of, and thus patentably distinct over, the AutoCAD references taken individually or in combination with the other references of record.

Dependent Claims:

Applicants have not independently addressed the rejections of the dependent claims because Applicants submit that, as the independent claims 14, 21 and 28 from which the dependent claims depend are believed allowable for at least the reasons discussed *supra*, the dependent claims are believed allowable for at least similar reasons. Applicants, however, reserve the right to address such rejections should such response be necessary and appropriate.

New claims 43-45

The present invention as recited in new claims 43-45 is characterized by, inter alia, the feature of selecting a virtual plane being displayed with a 3D model in the same virtual 3D space and pasting attribution information in a desired virtual plane. According to the present invention as recited in these claims, it is possible to change aspect or direction of the attribute information. Such an arrangement is not disclosed or suggested by the AutoCAD references and the technical effect is not achieved from the AutoCAD references. Accordingly, the present invention in claims 43-45 is not anticipated by nor obvious in view of, and therefore believed allowable over, the cited art.

Applicants submit that new claims 43-45 are believed allowable for at least these reasons.

CONCLUSION

In view of the foregoing, the present invention as recited in the claims presented herein is believed patentably distinct over the art of record and Applicants respectfully request that the respective rejections be withdrawn and the application be allowed as the application is hereby placed in condition for allowance.

PATENT
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Docket No. 1232-4823

If any outstanding issues remain, however, the Examiner is invited to contact the undersigned at the telephone number below.

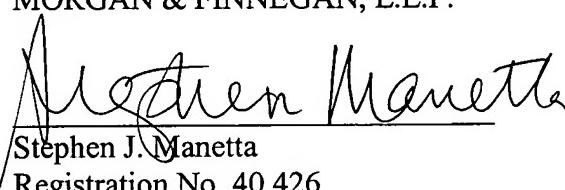
AUTHORIZATION

While no fees or extension of time are believed necessary for this Amendment, should an extension of time be required for the timely submission of this paper, such extension is hereby petitioned, and the Commissioner is hereby authorized to charge any additional fees which may be required for this Amendment, or credit any overpayment, to Deposit Account No. 13-4500, Order No. 1232-4823.

An early and favorable examination on the merits is respectfully requested.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

By:


Stephen J. Manetta
Registration No. 40,426

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Mailing address:
MORGAN & FINNEGAN, L.L.P.
3 World Financial Center
New York, New York 10281-2101
(212) 415-8700 (Telephone)
(212) 415-8701 (Facsimile)